

**Is your DAPT
optimized to
reduce the risk of
secondary strokes?**

**1-hour CYP2C19
genotyping results
in your hands
could help.**

**FDA 510(k) cleared CYP2C19 genotyping
with Genomadix Cube™ can rapidly identify
loss of function (LOF) patients.¹**

FDA CLEARED

- 510(k)
- Moderate complexity

FAST

1 hour turnaround time



ACCURATE

- Direct PCR results
- Most common and relevant alleles
*2, *3, *17

EASY

- Buccal swab
- No sample prep

COST EFFECTIVE

CPT Code 81225

Recent studies have shown that rapid CYP2C19 genotyping allows for a tailored approach to dual anti-platelet therapy (DAPT) within 12 hours that can reduce secondary strokes in patients presenting with TIA or minor stroke.²⁻³ The Clinical Pharmacogenetics Implementation Consortium (CPIC) guidelines recommend that

minor stroke/TIA patients who are carriers of CYP2C19 LOF alleles (30% of the U.S. population) should receive alternate therapies to reduce the risk of secondary strokes.⁴ The 510(k) cleared Genomadix Cube CYP2C19 System can help you identify LOF patients in 1 hour from a simple buccal swab.¹

Recurrent stroke stats

- 185,000 recurrent strokes annually in the U.S.⁵
- Over 17% will have a recurrent stroke after a high-risk TIA and 40% will be disabling or fatal.⁵⁻⁶
- Up to \$53,696 in per-patient costs for recurrent stroke treatment.⁷
- CYP2C19 genotyping is cost-effective in patients with minor stroke or TIA.⁸⁻¹⁰

Prevention and therapy guidelines^{4,5}

- DAPT should be initiated in appropriate patients within 12-24 hours after first minor stroke and TIA.⁵
- Clopidogrel + aspirin isn't fully effective in approximately 30% of patients due to genetic variation.¹¹
- Clopidogrel has a black box warning.⁴
- CPIC and other guidelines recommend alternative DAPT (aspirin + ticagrelor) for CYP2C19 LOF carriers and clopidogrel resistant patients.^{5,12}

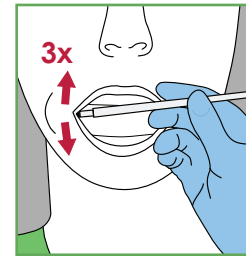
CHANCE-2 analysis

Recent studies on efficacy of early alternative DAPT showed reduced secondary strokes in LOF carriers identified using rapid CYP2C19 genotyping.²⁻³

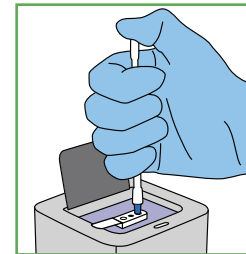
- 21% fewer secondary strokes in LOF carriers
- Reductions at 1 week, 30 days, and 90 days

Testing procedure is as simple as 1, 2, 3

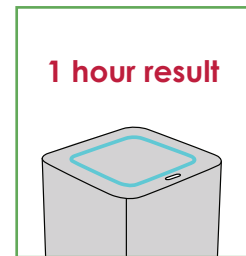
1
Collect



2
Load



3
Start



Learn how rapid CYP2C19 testing may help optimize your approach to DAPT.

[Genomadix.com/contact](https://www.genomadix.com/contact)

References

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